

US EPA ARCHIVE DOCUMENT

EUT 29	Date 7/14/77	Product Name Roundup	Use Classification	Toxic Category
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RECOMMENDATION: register other (explain)
 Petitioner seeks extension of the EUP to use total of 705 gallons of Roundup in coming year
 CB (various memos of Mr. Don Duffy, June, 1977, in glyphosate PP's, e.g., No. 7G1893, 6/29/77
 finds 0.2-0.4 ppm N-nitrosoglyphosate (NNG) are present in Roundup. Petitioner has made
 no assessment of possible hazard to workers who will use Roundup in proposed program. DATA
 TB is unable to recommend for the requested EUP pending information. Petitioner is asked to address this question.

Toxic signs:

Comments:

Acute Dermal (Rabbit) LD₅₀

Toxic signs:

Comments:

Acute Inhalation () LC₅₀

Toxic signs:

Comments:

Primary Eye Irritation (Rabbit) Draize score:

Comments:

Primary Skin Irritation (Rabbit) Draize score:

Comments:

Other Studies:

(1977-78)

HERBICIDE BY

Monsanto

or experimental use only on IRRIGATION SYSTEMS,
DRAINAGE SYSTEMS AND SMALL WATER
IMPOUNDMENTS such as Farm Ponds.

EPA Experimental Use Permit No. 524-EUP-29

Not for sale to any person other than a participant or cooperator of the EPA approved Experimental Use Program

Water soluble herbicide for evaluation of non-selective weed control.

AVOID CONTACT WITH FOLIAGE, GREEN STEM'S OR FRUIT OF CROPS, DESIRABLE PLANTS
AND TREES. SINCE SEVERE INJURY OR DESTRUCTION MAY RESULT.

HAZARD STATEMENTS

NOT TO HUMANS

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ach of children.

EXPOSURE

NOT ALLOWED.

2
a. on skin or on clothing.
b. of contact, immediately flush
water for at least 15 minutes
flush skin with water. Wash

use of an emergency involving this product.
Collect, dry or wash, (314) 632-1020

MONSANTO COMPANY AGC NATURAL PRODUCTS ST. LOUIS, MISSOURI 63165 U.S.A. EPA Est. 9538 LA 1

NET 1 U.S. GAL.

Clean sprayer and parts immediately after using this product by thoroughly flushing with water. Do not contaminate water by disposal of wastes or cleaning of equipment.

MIXING AND APPLICATION INSTRUCTIONS

This herbicide mixes readily with water. NOTE: REDUCED RESULTS MAY OCCUR IF WATER CONTAINING SOIL IS USED SUCH AS WATER FROM RIVER AND UNLINED DITCHES. For ground or industrial type sprayers fill the spray tank with one half its required amount of water. Add the proper amount of herbicide (See "Directions for Use" and "Weeds Controlled" sections of this label), and mix well before adding the remaining portion of water. During the mixing, keep the surface of the tank solution well present excessive foaming. If foaming does occur immediately and avoid it by adding more water. Use of mechanical agitators may cause excessive foaming. If foaming occurs, stir to terminate at the bottom of the tank. For fixed boom power equipment, use 50 mesh screens and fine screens.

When the concentration of Roundup in the spray will be less than 1 percent (1 liter Roundup per 100 gallons of water) the addition of 1 quart of surfactant per 100 gallons of spray volume may improve performance.

For use in backpack sprayers it is suggested that the proper amount of Roundup be mixed with water in a larger container. Fill sprayer with the mixed solution.

APPLY IN PROPERLY MAINTAINED AND CALIBRATED EQUIPMENT CAPABLE OF DELIVERING DESIRED LOADINGS. DO NOT APPLY UNDER WIND OR OTHER CONDITIONS WHICH ALLOW DRIFT TO OCCUR. HIGH GUN APPLICATIONS SHOULD BE PROPERLY DIRECTED TO AVOID SPRAYING DESIRABLE PLANTS.

Storage and Disposal
STORE ABOVE 10° F. TO KEEP FROM FREEZING
Freezing will result in crystals which settle to the bottom of the can. If allowed to freeze place in a warm room (72° F.) and stir and shake the can frequently for several days to re-dissolve.

Avoid contamination of seed, feed, and feedstuffs. Do not reuse container, destroy when empty.

Dilute application liquid exposure to 1 part water. See stages described for control of various weeds under the "Weeds Controlled" section of this label. To provide adequate leaf surface for absorption, Undiluted plants should be sprayed at minimum or root stances of penetration as is preferred by the spray and a target nozzle. In this manner best control of most grasses is obtained when treatment is made at late growth approaching maturity.

Do not use the higher rate of this product if use within the recommended range cannot be guaranteed to assure or better, or if weeds are not being grown conditions such as drought.

Results occurring within 6 hours after application may reduce effectiveness. Results 12 to 24 hours after application may reach the effect on the foliage and a repeat treatment may be required.

ATTENTION

AVOID DRIFT. EXPOSURE CAN NOT BE ELIMINATED WHEN APPLYING THIS PRODUCT TO PREVENTLY AVOID DESIRABLE PLANTS AND CROPS. When spraying must be drift since even minute amounts of spray can cause severe damage or death to nearby crops, pastures or other areas of treatment is not intended, or may cause other undesirable consequences. Do not spray trees or any fruit or when other conditions are likely to occur. When spraying avoid combinations, pressure and nozzle type that will result in particles (mist) which are more likely to drift.

The use of FDA/EPA approved drift control aids may be useful in reducing drift hazards.

NOTE: Use of this product in any manner not consistent with this label may result in personal injury, animal or crop damage, or other undesirable emergencies. Keep customer advised to prevent spray and contamination.

GENERAL INFORMATION

Roundup, a water soluble liquid mixes readily with water to be applied as a foliage spray for the control or destruction of most herbaceous plants.

Roundup moves through the plant from the point of foliage contact and into the root system. Visible effects on most annual weeds occur within 2 to 4 days, but on most perennial weeds may not occur until 7 to 10 days. Extremely cool or cloudy weather at treatment time may slow down activity of this product and delay visual effects of control. Herbicides are a natural method and yielding of the treated area is to complete breaking of above ground growth and deterioration of underground plant parts.

WEEDS CONTROLLED

Roundup controls many annual and perennial grasses and broadleaf weeds. Do not exceed more than a one hour average.

CONTROL OF ANNUAL WEEDS

Apply 1 to 1½ quarts of this product in 10 to 100 gallons of water per acre to actively growing grasses and broadleaf weeds.

Annual weeds generally will continue to germinate from seed throughout the growing season. Repeat treatments may be necessary to control later germinating weeds.

CONTROL OF PERENNIAL WEEDS

Apply 2 to 6 quarts of this product in 10 to 100 gallons of water per acre. Apply when the weeds reached early head or early bud stage of growth.

NOTE: Repeat treatments may be necessary to control weeds regenerating from underground parts or seeds.

DIRECTIONS FOR USE

Consult Local State Fish and Game Agency before applying this product to public waters. Features may be required to treat such waters.

For control of undesirable vegetation along rivers, canals, drainage systems, ditches or impoundments used for any use and small farm ponds.

SPRAYING INSTRUCTIONS: Apply this product at rates and volumes shown in the "Weeds Controlled" section of this label. Apply in a general spray pattern, boom or hand gun, directed on a bush, cluster or basal.

When spraying avoid combinations of pressure and nozzle type that will result in fine particles (mist) which are more likely to drift. Apply only while spraying upstream to avoid drift due to convection of the product in water. Spray only one side of the

stream or shoreline at a time. When spraying or shoreline do not exceed more than a one hour average.

When treating irrigation or drainage systems, banks do not direct treated water for drift to ditch or irrigation canals closer than 10 feet to adjacent ditch areas.

Do not spray cross streams with boom or gun. Do not allow treated water to drain into a ditch after treatment.

Do not make drift treatments in areas where other water users are irrigating or using water.

Do not spray within 10 feet from any drainage ditch or any irrigation canal or ditch or domestic water source 12 days after treatment.

Do not spray on or around bird houses or roosting sites where they are found.

Drain small ponds or other impounded water or ditches with Roundup. Do not treat the entire area.

Treat the area in steps or curtains to avoid drift. Do this and possible drift and drift treatment in overlapping areas for 30 days.

BOOM EQUIPMENT

For control of annual or perennial weeds along river, canal, stream, drainage systems, ditches or other water bodies of Roundup and volumes shown in the "Weeds Controlled" section of this label.

ROUNDUP AND HIGH VOL. UDV (CHURNER)

The coarse spray only. For control of weeds along high volume streams, irrigation, ditch banks or other water bodies near growth - Use 4 to 6 quarts of this product in 10 gallons of clean water and apply to foliage of vegetation to be controlled.

EDMA 5A & 6A